

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

Docket Number INFORMATION DISCLOSURE 10020/27902 **STATEMENT** Application Number Filing Date Art Unit Examiner June 25, 2003 Not Yet Assigned 10/607,211 1756 Invention Title Inventor(s) THIN FILM ORGANIC POSITION SENSITIVE FORREST et al. **DETECTORS**

Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Date: 2/12/

Thomas E Meagher (Peg No 20

- 1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b).
- 2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed, unless otherwise indicated.
- 3. It is believed that no fees are due in connection with this Information Disclosure Statement However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

Dated: <u>2/12/04</u>

By:

Thomas F. Meagher (Reg. No. 29,831)

KENYON & KENYON

One Broadway

New York, NY 10004

Customer No. 26646

© Kenyon & Kenyon 2003

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE **STATEMENT**

Docket Number 10020/27902

Application Number

Filing Date

Examiner

Art Unit

10/607,211

June 25, 2003

Not Yet Assigned

1756

Invention Title

THIN FILM ORGANIC POSITION SENSITIVE

Inventor(s)

FORREST et al.

DETECTORS

Address to: Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

- 1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b).
- 2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed, unless otherwise indicated.
- It is believed that no fees are due in connection with this Information Disclosure Statement 3. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

By:

Thomas F. Meagher (Reg. No. 29,831)

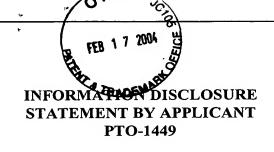
KENYON & KENYON

One Broadway

New York, NY 10004

Customer No. 26646

© Kenyon & Kenyon 2003



DOCKET NO. 10020/27902	SERIAL NO. 10/607,211
APPLICANT FORREST et al.	
FILING DATE June 25, 2003	GROUP 1756

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT/ PUBLICATION NUMBER	BLICATION PUBLICATION		CLASS	SUBCLASS	FILING DATE*
	4,788,082	November 29, 1988	Schmitt			
	5,247,190	September 21, 2993	Friend et al.			
	5,256,205	October 26, 1993	Schmitt, III et al.			
	5,650,197	July 22, 1997	Halpern			
	5,703,436	December 30, 1997	Forrest et al.			
	5,707,745	January 13, 1998	Forrest et al.			
	5,844,363	December 1, 1998	Gu et al.			
	6,013,982	January 11, 2000	Thompson et al.	·		
	6,087,196	July 11, 2000	Sturm et al.			
	6,097,147	August 1, 2000	Baldo et al.			
	6,294,398	September 25, 2001	Kim et al.			
	6,337,102	January 8, 2002	Forrest et al.			
	6,451,415	September 17, 2002	Forrest et al.			
	6,468,819	October 22, 2002	Kim et al.			
	2003/0230980	December 18, 2003	Forrest et al.			

FOREIGN PATENT DOCUMENTS

						TRANSLATION	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Torkel Wallmark et Al., "A New Semiconductor Photocell Using Lateral Photoeffect", Proc. Ire Vol. 45, No. 1, Pp. 474-483 (1957)
	Jasmin Henry et Al., "Thin-film Amorphous Silicon Position-sensitive Detectors", Adv. Funct. Mater., Vol. 13, No. 12-13 (2001)
	Kenji Fukuzawa, "Motion-sensitive Position Sensor Using Bacteriorhodopsin", Applied Optics, Vol. 33, No. 31 Pp. 7489-7495 (1994).

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
OIPE	Peumans et Al. "Very-high-efficiency Double-heterostructure Copper Phthalocyanine/c ₆₀ Photovoltaic Cells", Applied Physics Letters, Vol. 79, No. 1, Pp. 126-128 (2001).
FEB 1 7 2004 33	Satoshi Arimoto et Al., "Hydrogenated Amorphous Silicon Position Sensitive Detector", Applied Physics Letters, Vol. 57, No. 10 Pp. 4778-4782 (1985).
THE TRADENTAL	Peumans et Al., "Efficient, High-bandwidth Organic Multilayer Photodetectors", Applied Physics Letters, Vol. 76, No. 26, Pp. 3855-3857 (2000).
	Peumans et Al., "Efficient Photon Harvesting at High Optical Intensities in Ultrathin Organic Double-heterostructure Photovoltaic Diodes", Applied Physics Letters, Vol. 76, No. 19, Pp. 2650-2652 (2000).
	Tang., "Two Layer Organic Photovoltaic Cell", Applied Physics Letters, Vol. 48, No. 2, Pp.183-185 (1986).
	Burrows et Al., "Relationship Between Electroluminescence and Current Transport in Organic Heterojunction Light-emitting Devices", <i>Applied Physics Letters</i> , Vol. 79, No. 10, Pp. 7991-8006 (1996).
	Fortunato et Al., "Large-area 1d Thin-film Position-sensitive Detector with High Detection Resolution", Sensor Actuant A: Phys. Vol. 51, No. 2-3, Pp. 135-142 (February 1996)
	Forrest, "Ultrathin Organic Films Growth by Organic Molecular Beam Deposition and Related Techniques", Chemical Reviews, Vol. 97, No. 6.
	Arbour et Al., "Surface Chemisties and Photoelectrochemistries of Thin Film Molecular Semiconductor Material", Molecular Crystals and Liquid Crystals, 1990, 183, 307.
	Peumans et Al., "Small Molecular Weight Organic Thin-Film Photodetectors and Solar Cells," J. Appl. Phys., Vol. 93, No. 7, Pp. (2003)
	Eres, "High-speed Epitaxy Using Supersonic Molecular Jets," Mal. Res. Soc. Symp. Proc. Vol 201 (1991)
	Eres, "Application of Supersonic Molecular Jets in Semiconductor Thin Film Growth," Critical Review in Solid State and Materials Sciences, 23(4):275-322 (1998)
	Halpern et Al., "Multiple Jets and Moving Substratres: Jet Vapor Deposition of Multicomponent Thin Films," J. Vac. Sci, Technol. A 12(4), Jul/aug 1994
	Lubben et Al., "Growth and Doping of Si Layers by Molecular-jet Chemical Vapor Deposition" Device Fabrication," Appl. Phys. Lett. 71 (19), November 10, 1997
	Rebrov "Free Jets in Vacuum Technologies," J. Vac. Sci. Technol. A 19(4), Jul/aug 2001
	De La Mora, "Surface Impact of Seeded Jets at Relatively Large Background Densities," J. Chem. Phys. 82(7), 1 April 1985
	De La Mora et Al., "Aerodynamic Focusing of Heavy Molecules in Seeded Supersonic Jets," J. Chem. Phys. 91(4), 15 August 1989
	Vasenkov et Al., "Flow-field Properties under Deposition of Films from Low-density Jets," J. Appl. Phys. 77 (9), 1 May 1995
	Vasenkov et Al., "Monte Carlo Simulation of an Amorphous Hydrogenated Silicon Film Deposition from a Gas Jet Activated by an Electron Beam," Journal of Applied Physics, Volume 83, Number 7, 1 April 1998
	Mueller, "Role of Incident Kinetic Energy of Adatoms in Thin Films Growth," Surface Science 184 (1987) L375-1382
	Lebedev et Al., "Simple Self-Selective Method of Velocity Measurement for Particles in Impact-based Deposition," J. Vac. Sci. Technol. A 18(2), Mar/Apr 2000
	U.S. Patent Application Serial No. 09/931,948 to Lu et al., Filed August 20, 2001.
	U.S. Patent Application Serial No. 10/233,470 to Shtein et al., Filed September 4, 2002.
	U.S. Patent Application Serial No. 09/311,126 to Thompson et al., filed May 13, 1999.

EXAMINER	DATE CONSIDERE	D	_
	 -		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.